

PTO/SB/21 (08-03)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

		Application Number	10/809,232
		Filing Date	March 25, 2004
		First Named Inventor	Yael Vodovotz
		Art Unit	1761
		Examiner Name	To Be Determined
Total Number of Pages in This Submission		Attorney Docket Number	22727/04211

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Remarks Return receipt postcard 34 Documents

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Sean C. Myers-Payne Reg. No. 42,920
Signature	
Date	September 14, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Janet L. Norris
Signature	
Date	September 14, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT
Customer No. 24024
Attorney Docket No. 22727/04211

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Vodovotz *et al.*) Group Art Unit: 1761
Application No.: 10/809,232) Examiner: To Be Determined
Filed: March 25, 2004) Attorney Docket No.: 22727/04211
For: Methods for Enhancing Soy-)
Containing Foods and Foods)
Made Thereby)

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 CFR §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached Forms PTO/SB/08A and PTO/SB/08B. This Information Disclosure Statement is being filed before the events recited in Section 1.97(b). Under the provisions of 37 C.F.R. § 1.97(b), this Information Disclosure Statement is not accompanied by a fee.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute

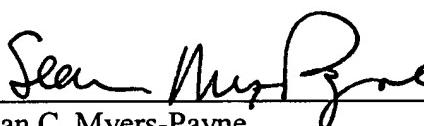
"prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of the Statement, please charge the fee to our deposit account number 03-0172.

Respectfully submitted,

Date: Sept. 14, 2004



Sean C. Myers-Payne
Reg. No. 42,920
Phone: (614) 621-7754
Fax: (614) 621-0010
E-mail: smyers-payne@calfee.com

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Substitute for form 1449/PTO		Complete if known	
		Application Number	10/809,232
		Filing Date	March 25, 2004
		First Named Inventor	Yael Vodovotz
		Art Unit	1761
		Examiner's Name	To Be Determined
(Use as many sheets as necessary)			
Sheet	1	of	5
		Attorney Docket Number	22727/04211

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indicate of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Examiner's Name	To Be Determined
(Use as many sheets as necessary)		Sheet 2 of 5		Attorney Docket Number 22727/04211	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Abstract, ZHANG et al., "Almond addition enriches isoflavone aglycones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, 2004, Las Vegas, NV.	
		Abstract, ZHANG et al., "Isoflavone content and anti-cancer activity of soy bread and its components", <u>2002 IFT Annual Meeting and Food Expo, Anaheim, CA</u> (2002).	
		Abstract, ZHANG et al., "Proofing condition on the distribution of isoflavones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, Las Vegas, NV (2004).	
		COWARD et al., "Chemical modification of isoflavones in soy foods during cooking and processing" <u>Am. J. Clin. Nutr.</u> (1998) Volume 68 (Suppl.), Pages 1486S-1491S.	
		GUNATA et al., "Stability of free and bound fractions of some aroma components of grape c.v. Muscat during the wine processing. Preliminary Results", <u>Am. J. Enol. Vitic.</u> (1986) Volume 37, Pages 112-114.	
		HENDRICH and MURPHY, "Isoflavones: Sources and Metabolism", <u>Handbook of Nutraceuticals and Functional Foods</u> (2001) CRC Press, Boca Raton, FL, pages 55-75.	
		HSIEH and GRAHAM, "Partial purification and characterization of a soybean β -glucosidase with high specific activity towards isoflavone conjugates" <u>Phytochemistry</u> (2001) Volume 58, Pages 995-1005.	
		INTERMETRO INDUSTRIES CORPORATION, "Metro [®] Holding/Proofing Cabinets - Uninsulated, C175 Flavorview [™] Series" 2002.	
		IZUMI et al., "Soy Isoflavone Aglycones Are Absorbed Faster and in Higher Amounts than Their Glucosides in Humans", <u>J. Nutr.</u> (2000) Volume 130, Pages 1695-1699.	

Examiner Signature	Date Considered
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(Use as many sheets as necessary)				Attorney Docket Number	22727/04211
Sheet	3	of	5		

		Lee et al., "Isoflavone Characterization and Antioxidant Activity of Ohio Soybeans", The Ohio State University, Food Science & Technology Department, Department of Horticulture and Crop Science; Seoul National University of Technology, Seoul, Korea.	
		MATEO and STEFANO, "Description of the β -glucosidase activity of wine yeast" <u>Food Microbiology</u> (1997) Volume 14, Pages 583-591.	
		MATSUURA and OBATA, " β -glucosidases from soybeans hydrolyze daidzin and genistin" <u>J. Food Science</u> (1993) Volume 58, Number 1, Pages 144-147.	
		MATSUURA et al., "Studies on β -glucosidases from soybeans that hydrolyze daidzein and genistein: isolation and characterization of an isozyme" <u>Biosci. Biotech. Biochem.</u> (1995) Volume 59, Number 9, Pages 1623-1627.	
		McCUE and SHETTY, "Role of Carbohydrate-cleaving enzymes in phenolic antioxidant mobilization from whole soybean fermented with Rhizopus Oligosporus", <u>Food Biotechnology</u> (2003) Volume 17, Number 3, Pages 27-37.	
		MIURA et al., "Isoflavone Aglycon Produced by Culture of Soybean Extracts with Basidiomycetes and Its Anti-angiogenic Activity", <u>Biosci. Biotechnol. Biochem.</u> (2002) Volume 66, Number 12, Pages 2626-2631.	
		RICHELLE et al., "Hydrolysis of Isoflavone Glycosides to Aglycones by β -Glycosidase Does Not Alter Plasma and Urine Isoflavone Pharmacokinetics in Postmenopausal Woman", <u>J. Nutr.</u> (2002) Volume 132, Pages 2587-2592.	
		PANDJAITAN et al., "Enrichment of genistein in soy protein concentrate with β -glucosidase", <u>J. Food Science</u> (2000) Volume 65, Number 3, Pages 403-407.	
		SETCHELL et al., "Bioavailability of Pure Isoflavones in Healthy Humans and Analysis of Commercial Soy Isoflavone Supplements", <u>J. Nutr.</u> (2001) Volume 131, Pages 1362S-1375S.	
		SUE et al., "Purification of characterization of a hydroxamic acid glucoside β -glucosidase from wheat (<i>Triticum aestivum L.</i>) seedlings" <u>Planta</u> . (2000) Volume 210, Pages 432-438.	

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Substitute for form 1449/PTO

Complete if known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	4	of	5	Attorney Docket Number	22727/04211
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		VODOVOTZ, Y., "Bioavailability and Biological Effects of Soy Isoflavones", Power Point Presentation printed from www.grad.fst.ohio-state.edu/vodovotz on September 13, 2004.	
		WALSH et al., "Bioaccessability of isoflavone aglycones from soy food is enhanced by bile salts during <i>in vitro</i> digestion", The Ohio State University, Interdisciplinary PhD Program in Nutrition, Food Science & Technology Department, Department of Human Nutrition.	
		ZHANG et al., "Changes in distribution of isoflavones and β -glucosidase activity during soy bread proofing and baking", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "Changes in water state and distribution in soy containing bread during storage", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "Effect of proofing on the distribution of isoflavones in soy bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "Effects of soy addition on the state of water and isoflavone content in bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "Isoflavone composition and biological activity of extracts from soy bread crumb and crust", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "Isoflavone Content and Anti-Cancer Activity of Soy Bread and Its Components", The Ohio State University, Food Science & Technology Department, June 18, 2002.	
		ZHANG et al., "The Effect of Bread-Making on Isoflavone Content and Composition in Soy Bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG et al., "The Effect of In Vitro Soy Bread Digestion on Isoflavone Profile", The Ohio State University, Food Science & Technology Department and Department of Human Nutrition.	

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		ZHANG, et al., "Effect of Soy on Bread's Physico-chemical Properties During Storage", The Ohio State University, Food Science & Technology Department.	
		ZHANG, Y., "Isoflavone Profile and Biological Activity of Soy Bread", <u>J. Agric. Food Chem.</u> (2003) Volume 51, Pages 7611-7616.	

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